claims.

I claim:

1. A digital video camcorder capable of recording and playing golfing actions comprising a lens set, an optical sensor, an image processing module, an image input module, an image display module, a mode select module, a microprocessor, a memory unit, and a display unit;

whereby after a function of said mode select module is selected, a first image sensed by said optical sensor via said lens set and processed by said image processing module or a second image inputted by said image input module can be recorded into said memory unit, said microprocessor and said image display module can simultaneously play two images already stored in said memory unit and display them on said display unit in a slow-motion, freeze-frame or split-frame way.

2. The digital video camcorder as claimed in claim 1, wherein said image display module further comprises a first display buffer, a second display buffer and an image combination unit.

3. The digital video camcorder as claimed in claim 1, wherein said image processing module further comprises an analog-to-digital conversion unit, a signal source select unit, a digital signal processing unit, and a memory unit.

4. The digital video camcorder as claimed in claim 1, wherein said image input module further comprises an analog-to-digital conversion unit and a decoding unit.

5. The digital video camcorder as claimed in claim 1, wherein said image display module further comprises a digital encoding unit and a digital-to-analog conversion unit.

6. The digital video camcorder as claimed in claim 1, wherein said image

display module further comprises a universal serial bus.

7. The digital video camcorder as claimed in claim 1 further comprising a remote control module.

8. The digital video camcorder as claimed in claim 7, wherein said remote control module is an infrared remote control module.

9. The digital video camcorder as claimed in claim 1, wherein said optical sensor is a charge coupled device.

10. The digital video camcorder as claimed in claim 1, wherein said optical sensor is a complementary metal oxide semiconductor.

11. The digital video camcorder as claimed in claim 1, wherein said display unit is a touch liquid crystal display panel.

12. The digital video camcorder as claimed in claim 1, wherein said display unit is a video display unit.

13. The digital video camcorder as claimed in claim 1, wherein said memory unit includes an external memory and a built-in memory.

14. The digital video camcorder as claimed in claim 13, wherein said external memory is a flash memory.

15. The digital video camcorder as claimed in claim 1 further comprising a touch pen for directly drawing illustration lines on said display unit.